Filed: December 6, 2001

Sholomo Barash et al. Filed: **Dec** Attorney Docket: 29250/CE08762R METHOD AND BASE STATION FOR PROVIDING PHASE-SHIFT TRANSMIT DIVERSITY

FIG. 1

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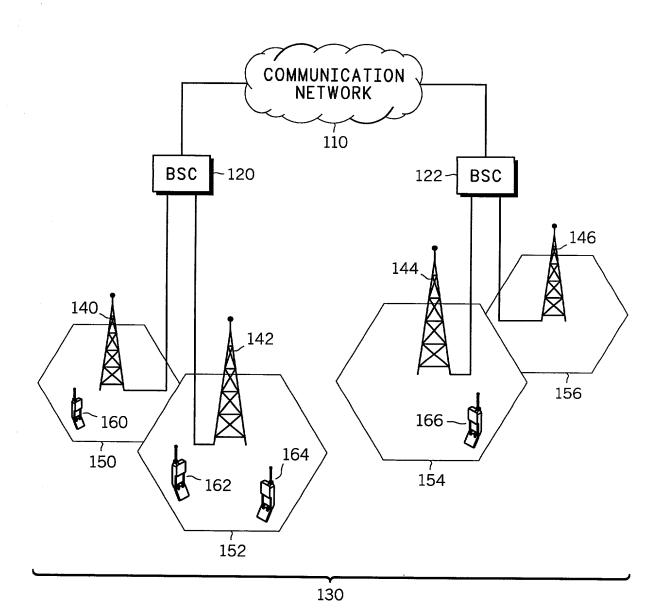


FIG. 1

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TRANSMIT DIVERSITY

FIGS. 2-3

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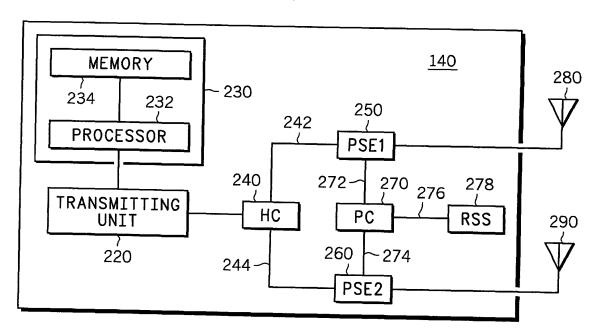


FIG. 2

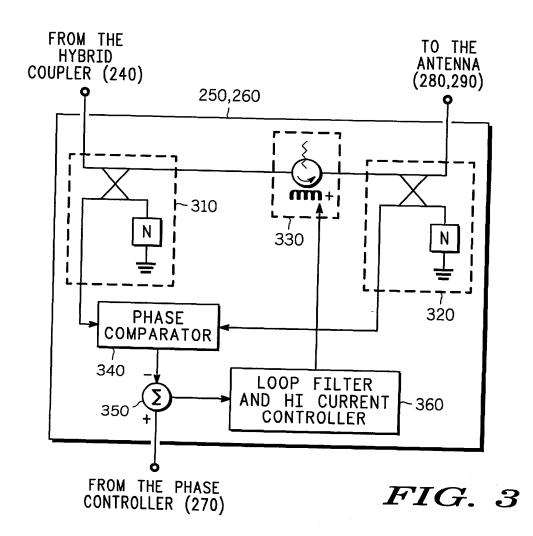
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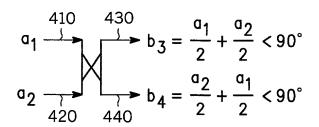
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METHOD AND BASE STATION FOR PROVIDING PHASE-SHIFT TRANSMIT DIVERSITY

FIGS. 4-5

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400 FIG. 4

FIG. 5

500

PHASE-SHIFT MODULATING A FIRST SIGNAL WITH A FIRST CONTROL SIGNAL TO PRODUCE 510 FIRST PHASE-SHIFT MODULATED SIGNAL INCLUDING A FIRST PHASE-SHIFT PHASE-SHIFT MODULATING A SECOND SIGNAL WITH A SECOND CONTROL SIGNAL TO PRODUCE A SECOND PHASE-SHIFT MODULATED SIGNAL 520 -INCLUDING A SECOND PHASE-SHIFT DISTINCT FROM THE FIRST PHASE-SHIFT TRANSMITTING THE FIRST PHASE-SHIFT 530 MODULATED SIGNAL VIA A FIRST ANTENNA TRANSMITTING THE SECOND PHASE-SHIFT 540 MODULATED SIGNAL VIA A SECOND ANTENNA